

INSTRUCTION SHEET FOR ADVANCED NETWARE/286 V2.0

The release of Advanced NetWare V2.0 includes enhancements and variances to previous versions of Advanced NetWare. Read the following information as well as the manuals supplied with the Advanced NetWare V2.0 release to determine the proper procedure to be followed for installation and maintenance. Items to be noted are:

- With Advanced NetWare/86 or 286, you are required to generate the operating system and the shells for the specific network(s) that you will be using.

The operating system that you generate will have a file extension of "EXE" not "SYS". This extension must not be changed.

- With Advanced NetWare/68 the operating system has already been generated. It has a ".SYS" file extension and is located on the SYSTEM diskette; however, you must still generate the shells.

Also, with the Advanced NetWare/68, physical station numbers are numbered 0-23 corresponding to the LAN (or MUX) ports (1-24).
INSTALL.I is used to install the cold boot loader.

- Shells and operating systems of any system may be generated as many times as you wish. Also, the workstation shell default settings can not be modified.

- You should use DISKCOPY to make working copies of the master diskettes; because, the master diskettes have a software label and subdirectories that need to be transferred to any copies of the diskettes; the command "COPY *.*" is not designed to do the complete transfer.

- With Advanced NetWare/86 Non-dedicated file servers can now login to other filer servers. Because of larger operating systems and shells, non-dedicated file server users must be aware of new minimum memory requirements and of limitations associated with usable memory

- Some of the executable ".EXE" files have been changed to ".COM" files to save on space and increase execution speed.

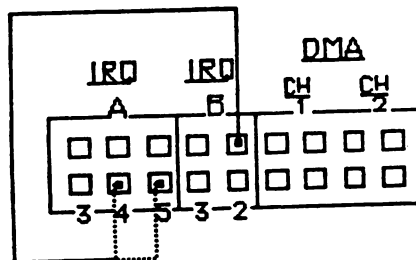
- The Davong operating system is not supported; however, the shells are supported for use with other networks by using the bridging feature (see bridging instructions in the manuals).

- With Omninet hardware limitations will not allow any machine to run at 8 MHz.

- With Orchid PCnet Network using Advanced NetWare/286, a significant decrease in performance occurs when using a machine at 6MHz; however, machines running at 8MHz work fine.

Also with the Orchid PCnet Network, the board configuration must use IRQ channel B with interrupts (2, 3, 4, or 5). Rev. C boards can select IRQ channel B with interrupts (2, 3, 4, or 5) using a jumper block; however, Rev. C1 or newer boards, can only select IRQ channel B with interrupts 2 or 3 using a jumper block; in order to select IRQ channel B with interrupts 4 or 5 a jumper wire (instead of a jumper block) must be used to connect the IRQ channel B pin to the interrupt 4 or 5 pin. The figure below shows the jumper block with the pin selections using a jumper wire to select IRQ channel B and interrupt 4 or 5. The jumper block is located on the Rev. C1 or newer boards in the bottom right hand corner of the board.

Orchid PCnet Jumper Block



UPGRADING YOUR SYSTEMS

WE RECOMMEND THAT YOU BACKUP YOUR SYSTEM
BEFORE DOING ANY UPGRADE.

If you have a system running on a previous version of NetWare or Advanced NetWare and want to use part or all of your system with Advanced NetWare V2.0, the following steps must be taken in order to avoid losing information on your current drives:

THIS SECTION IS FOR ADVANCED NETWARE/86, 286, or 286A ONLY

Upgrading from NetWare V4.X to Advanced NetWare V2.0

1. Down the server.
2. Generate the a new V2.0 operating system and shells.
3. Run the INSTALL utility and select the following options:
 - Option 4 (to load the cold boot loader).
 - Option 5 (to load the SYSTEM files).
 - Option 6 (to give the server a name).
4. Boot the server (now running with V2.0 operating system).
5. Load a V2.0 shell in a workstation.
6. Login as SUPERVISOR.
7. Type the command

MAP C:=SYS:SYSTEM (and press <RETURN>)

8. Next type

C: (and press <RETURN>)

9. Now to complete the upgrade type

UPGRADE (and press <RETURN>)

Upgrading from Advanced NetWare V1.02 to V2.0

1. Down the server.
2. Generate the a new V2.0 operating system and shells.
3. Run the INSTALL utility.

- A. Select option 2 (You should write down the partition table information before going any further. Specifically the starting cylinder and the ending cylinder of the NetWare partition.)
 - B. Next delete the NetWare partition table.
 - C. Create a new NetWare partition table with the same starting cylinder and ending cylinder as the previous NetWare partition.
 - D. Select the new NetWare partition to be the bootable partition.
 - E. Save the new partition information and return to the INSTALL main menu.
 - F. Select option 4 to load the cold boot loader.
 - G. Select option 5 to load the SYSTEM files.
4. The upgrade is now complete (boot the server).

Upgrading from any version of
Advanced NetWare V1.X - V1.01(a) to V2.0

1. Down the server.
2. Run the INSTALL utility and select the following options:
 - Option 4 (to load the cold boot loader).
 - Option 5 (to load the SYSTEM files).
3. The upgrade is now complete (boot the server)

THIS SECTION IS FOR ADVANCED NETWARE/68 ONLY

Upgrading from NetWare 4.X to Advanced NetWare V2.0

1. Down the server.
2. Generate the new shells
3. Run SYSED to give the server a name.
4. Run INSTALL to install the cold boot loader
5. Load the operating system NET\$OS.SYS.
6. Boot the server
7. Login as SUPERVISOR and type the following command:

MAP C:=SYS:SYSTEM (and press <RETURN>)

8. Next type

C: (and press <RETURN>)

9. Now type

UPGRADE (and press <RETURN>)

10. Now follow the directions in the installation manual to copy the new PUBLIC files and UTILITY files to your system.

Upgrading from Advanced NetWare 1.X to Advanced NetWare V2.0

1. Down the server.
2. Generate the new shells
3. Run INSTALL to install the cold boot loader
4. Load the operating system NET\$OS.SYS.
5. Boot the server
6. Login as SUPERVISOR
7. Now follow the directions in the installation manual to copy the new PUBLIC files and UTILITY files to your system.

KNOWN PROBLEMS AND TEMPORARY WORK-AROUNDS ASSOCIATED WITH THE ADVANCED NETWARE V2.0.

1. For Advanced NetWare/68, 86, and 286 V2.0

LOGIN.COM

The process to login a workstation must include a SET COMSPEC command as a manually executed command. This is done at the DOS prompt by typing the following:

SET COMSPEC=Y:COMMAND.COM

where Y is the drive location of the desired COMMAND.COM file.

FILER

To change a file name using FILER, you must first go to the directory where the file is located and then execute FILER. Otherwise, if the file being renamed is not in the same directory where FILER is executed then the file is moved by the renaming function to the directory where FILER was executed.

2. For Advanced NetWare/86 and 286 V2.0

INSTALL.EXE

It has been discovered that the 2.0 INSTALL program will not work correctly to install a bootable hard disk drive (that has been formatted with COMPSURF) unless the DOS utility FDISK is used to set up a boot record on track zero and establish a partition table.

This procedure does NOT apply to systems that have already been running a previous version of NetWare.

Also, this applies only to IBM PC-XT and IBM PC-AT and compatible drives that can cold boot under NetWare.

To set the disk up properly follow the directions list below:

Insert a DOS diskette with the FDISK program on it into drive A of the file server use the DOS version you will be using on your network.

Type

FDISK

and press the Enter key.

The file server screen will display a prompt similar to the following:

IBM Personal Computer
Fixed Disk Setup Program Version 1.00
(C)Copyright IBM Corp. 1983

FDISK Options

Chose one of the following:

1. Create DOS Partition
2. Change Active Partition
3. Delete DOS Partition
4. Display Partition Data

Enter choice:[1]

Press Esc to return to DOS

Press the Enter key to select Option 1. The screen will display the following:

Create DOS Partition

Do you wish to use the entire fixed
disk for DOS (Y/N).....[Y]

Press Esc to return to FDISK Options

Type

N

and press the Enter key.

The screen will display a prompt similar to the following:

No partitions defined

Total disk space is 305 cylinders.
Maximum available space is 305
cylinders at cylinder 0.

Enter partition size.....:[305]

Enter

100

and press the Enter key. The screen will display:

Enter the starting cylinder number.....:[0]

Enter

10

and press the Enter key. The screen will display:

DOS partition created

Press the Esc key twice. The screen will display:

Insert DOS diskette in drive A:
Press any key when ready . . .

Press the Enter key. The DOS prompt will return to the screen.

You may now run the Advance NetWare V2.0 "INSTALL" program.

3. For Advanced NetWare/86 V2.0

The interface for tape drive access is not available with the initial release of V2.0. Tape systems made by CORVUS and TALLGRASS known to be effected. Others may also be effected.